

SPECIFICATION AMENDMENTS:

Please replace paragraph [0024] on page of the specification with the following amended paragraph:

[0024] Referring to FIGS. 1, 2 and 3, the characteristics of material 36a are important to efficiently pattern substrate 31 in light of the deposition process employed. As mentioned above, material 36a is deposited on substrate 31 as a plurality of discrete and spaced-apart droplets 36. The combined volume of droplets 36 is such that material 36a is distributed appropriately over an area of surface 32 where imprinting layer 34 is to be formed. As a result, imprinting layer 34 is spread and patterned concurrently, with the pattern being subsequently set into imprinting layer 34 by exposure to radiation, such as ultraviolet radiation. As a result of the deposition process, it is desired that material 36a have certain characteristics to facilitate rapid and even spreading of material 36a in droplets 36 over surface 32 so that all thicknesses  $t_1$  are substantially uniform and all thicknesses  $t_2$  are substantially uniform. The desirable characteristics include having a low viscosity, for example, and without limitation, in a range of about 0.5 to about ~~5 centipoise~~5 centipoise (cps), as well as the ability to wet surface of substrate 31 and mold 28 and to avoid subsequent pit or hole formation after polymerization. With these characteristics satisfied, imprinting layer 34 may be made sufficiently thin while avoiding formation of pits or holes in the

thinner regions, such as sub-portions 34b, shown in FIG. 5. However, the characteristics of material 36a are process dependent and may vary as desired. For example, the viscosity may be 100 cps or greater.

Please replace paragraph [0040] on page      of the specification with the following amended paragraph:

[0040] ~~each of~~Each of the above-identified compositions may also include stabilizers that are well known in the chemical art to increase the operational life of the composition. The surfactant comprises less than 1% of the imprinting material. However, the percentage of the surfactant may be greater than 1%.

Please replace paragraph [0045] on page      of the specification with the following amended paragraph:

[0045] The above-described imprinting materials are useful in providing substantially high feature fidelity imprint lithography, while providing suitable operational life to an imprint template. For example, ~~a imprint~~an imprint template having a patterning area, i.e., mold, of 25 X 25 mm having 40 to 50 nm features was employed to generate five hundred (500) imprints with minimal pattern feature degradation and distortion.

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